

**FUTURE FISHERIES IMPROVEMENT PROGRAM
GRANT APPLICATION***(please fill in the highlighted areas)***I. APPLICANT INFORMATION**

- A. Applicant Name: Montana Fish, Wildlife & Parks (Ron Spoon)
- B. Mailing Address: P.O. Box 1137
- C. City: Townsend State: MT Zip: 59644
- Telephone: 406-266-4237 E-mail: rspoon@mt.gov
- D. Contact Person: Ron Spoon
- Address if different from Applicant: (SEE ABOVE)
- City: _____ State: _____ Zip: _____
- Telephone: _____ E-mail: _____
- E. Landowner and/or Lessee Name (if other than Applicant): Frank and Leisa McArthur
- Mailing Address: 574 Lower Deep Creek Road
- City: Townsend State: MT Zip: 59644
- Telephone: 406-949-2684 E-mail: fldkz@aol.com

II. PROJECT INFORMATION*

- A. Project Name: Deep Creek Riparian Habitat and Streamflow Improvement Project
- River, stream, or lake: Deep Creek
- Location: Township: T6N Range: R2E Section: 1,2
- Latitude: 46.18.549 Longitude: 111.25.924 *within project (decimal degrees)*
- County: Broadwater
- B. Purpose of Project: _____

Eliminate an open ditch and replace with a screened pump site on Deep Creek to enhance streamflow, eliminate fish loss, and reduce the need for floodplain dike maintenance. Elimination of open ditch with the point of diversion located at an unstable location will allow the stream to return to a more stable location and reduce the need to maintain floodplain dikes that currently move the stream to the ditch headgate. The new point of diversion is located adjacent to an existing pump site and improvements to the pump site will provide low maintenance water diversion with no fish loss to the irrigation system. The new pump site is located about 2 miles downstream of the existing open ditch system and flow enhancement will occur in this reach.

C. Brief Project Description:

In 2014, Broadwater Conservation District was awarded a 319 grant for \$257,000 to address impairments in the Deep Creek TMDL (high sediment loading and elevated water temperature). In addition, NRCS prioritized Deep Creek restoration projects by allocating approximately \$1.5 million to Deep Creek through the National Water Quality Initiative Program. Matching funds from non-Federal sources (DNRC 223 Grant and the FFIP funds) are critical to implement riparian and streamflow enhancement projects from 2014 through at least 2016. Relocation of the McArthur diversion was identified as a priority project during a stream assessment conducted by Skidmore (2012).

The new pump site is a small portion of the overall project to enhance agricultural production of the McArthur Ranch and the health of Deep Creek using funds from NRCS, the 319 program, and the landowner (see attached NRCS plan map and conservation plan). Water savings from this project will improve streamflow and reduce water temperature in Deep Creek in the two mile reach of stream between the old ditch and the new pump site. In addition, this project will eliminate fish loss to the open irrigation ditch. The bid for the entire project is \$137,950, and \$8,950 of FFIP is being requested to install the new water intake system at the new pump site. The bid price for the irrigation pump site is \$8,950, and this structure is the focus for the FFIP application. This structure essentially serves as a "fish friendly" diversion because it replaces the open ditch with a screened pump.

D. Length of stream or size of lake that will be treated: Approximately 2 miles.

E. Project Budget:

Grant Request (Dollars): \$ 8,950

Contribution by Applicant (Dollars): \$ 0 In-kind \$ 0
(salaries of government employees are not considered as matching contributions)

Contribution from other Sources (Dollars): \$ 129,000 In-kind \$ 0
(attach verification - See page 2 budget template)

Total Project Cost: \$ 137,950

F. Attach itemized (line item) budget – see template

- G. Attach specific project plans, detailed sketches, plan views, photographs, maps, evidence of landowner consent, evidence of public support, and/or other information necessary to evaluate the merits of the project. If project involves water leasing or water salvage complete supplemental questionnaire (fwp.mt.gov/habitat/futurefisheries/supplement2.doc).
- H. Attach land management and maintenance plans that will ensure protection of the reclaimed area.

III. PROJECT BENEFITS*

- A. What species of fish will benefit from this project?:

Rainbow Trout, Brown Trout, and a variety of other typical species associated with streams in southwest Montana.

- B. How will the project protect or enhance wild fish habitat?:

Stream flow will increase in a 2 mile reach, fish loss to an open canal will be eliminated, and improved stream stability will occur at the old headgate.

- C. Will the project improve fish populations and/or fishing? To what extent?:

Adding approximately 3 cfs to the summer baseflow of a two mile stream reach with a typical baseflow of less than 8 cfs will increase fish abundance. The elimination of fish loss should reduce the loss of several hundred trout, but this has not been quantified.

- D. Will the project increase public fishing opportunity for wild fish and, if so, how?:

The public will have access to increased numbers of resident trout in Deep Creek due to the irrigation improvement project and the reduced fish loss to irrigation in Deep Creek. In addition, the migratory populations originating from the Missouri River/Canyon Ferry System will also have less mortality to ditch entrainment, and will consequently be available to anglers in downstream waters (Missouri River/Canyon Ferry Lake). A fish trap located downstream of the diversion was operated between 1993 and 2007, and the number of spawning rainbow trout entering the stream ranged from 800 to 3000 fish.

- E. If the project requires maintenance, what is your time commitment to this project?:

The landowners will maintain the new irrigation structure because it is critical to their agricultural operation.

- F. What was the cause of habitat degradation in the area of this project and how will the project correct the cause?:

The chronic streamflow depletion of Deep Creek (and associated fish loss to irrigation systems) was due to allocation of irrigation water to private water users.

- G. What public benefits will be realized from this project?:

Improved streamflow in 2 miles of Deep Creek will benefit several fish and wildlife species without impacting the existing water user.

H. Will the project interfere with water or property rights of adjacent landowners? (explain):

No. The Deep Creek Landowner Advisory Committee supports this project and has been in contact with multiple landowners and water users over the past two years. This project is intended to benefit both fisheries and landowners.

I. Will the project result in the development of commercial recreational use on the site?: (explain):

No. Currently, there are no commercial operations related to fisheries on Deep Creek, and none are anticipated with the completion of this project.

J. Is this project associated with the reclamation of past mining activity?:

No.

Each approved project sponsor must enter into a written agreement with the Department specifying terms and duration of the project.

IV. AUTHORIZING STATEMENT

I (we) hereby declare that the information and all statements to this application are true, complete, and accurate to the best of my (our) knowledge and that the project or activity complies with rules of the Future Fisheries Improvement Program.

Applicant Signature:

Date: May 29, 2015

Sponsor (if applicable):

***Highlighted boxes will automatically expand.**

**Mail To: Montana Fish, Wildlife & Parks
Habitat Protection Bureau
PO Box 200701
Helena, MT 59620-0701**

**E-mail To: Michelle McGree
mmcgree@mt.gov**

**Incomplete or late applications will be returned to applicant.
Applications may be rejected if this form is modified.**

*****Applications may be submitted at anytime, but must be received by the Future Fisheries Program office in Helena before December 1 and June 1 of each year to be considered for the subsequent funding period.*****

No. Currently, there are no commercial operations related to fisheries on Deep Creek, and none are anticipated with the completion of this project.

J. Is this project associated with the reclamation of past mining activity?:

No.

Each approved project sponsor must enter into a written agreement with the Department specifying terms and duration of the project.

IV. AUTHORIZING STATEMENT

I (we) hereby declare that the information and all statements to this application are true, complete, and accurate to the best of my (our) knowledge and that the project or activity complies with rules of the Future Fisheries Improvement Program.

Applicant Signature:



Date: May 29, 2015

Sponsor (if applicable):

***Highlighted boxes will automatically expand.**

**Mail To: Montana Fish, Wildlife & Parks
Habitat Protection Bureau
PO Box 200701
Helena, MT 59620-0701**

**E-mail To: Michelle McGree
mmcgree@mt.gov**

**Incomplete or late applications will be returned to applicant.
Applications may be rejected if this form is modified.**

*****Applications may be submitted at anytime, but must be received by the Future Fisheries Program office in Helena before December 1 and June 1 of each year to be considered for the subsequent funding period.*****

BUDGET TEMPLATE SHEET FOR FUTURE FISHERIES PROGRAM APPLICATIONS

WORK ITEMS (ITEMIZE BY CATEGORY)	NUMBER OF UNITS	UNIT DESCRIPTION*	COST/UNIT	TOTAL COST	CONTRIBUTIONS			
					FUTURE FISHERIES REQUEST	IN-KIND SERVICES	IN-KIND CASH	TOTAL
Personnel								
Survey	0			\$ -				\$ -
Design	0			\$ -				\$ -
Engineering	0			\$ -				\$ -
Permitting	0			\$ -				\$ -
Oversight	0			\$ -				\$ -
Labor	0			\$ -				\$ -
			Sub-Total	\$ -	\$ -	\$ -	\$ -	\$ -
Travel								
Mileage	0			\$ -				\$ -
Per diem	0			\$ -				\$ -
			Sub-Total	\$ -	\$ -	\$ -	\$ -	\$ -
Construction Materials								
IRRIGATION INTAKE STRUCTURE	1	LUMP SUM	\$8,950.00	\$ 8,950.00	8,950.00			\$ 8,950.00
				\$ -				\$ -
IRRIGATION PUMP	1	LUMP SUM	\$28,000.00	\$28,000	-		28,000.00	\$ 28,000.00
				\$ -				\$ -
NRCS Itemized Conservaton Plan (attached)	1	See NRCS Cons	\$101,000.00	\$ 101,000.00	-		101,000.00	\$ 101,000.00
				\$ -				\$ -
				\$ -				\$ -
				\$ -				\$ -
				\$ -				\$ -
			Sub-Total	\$ 137,950.00	\$ 8,950.00	\$ -	\$ 129,000.00	\$ 137,950.00
Equipment								
				\$ -				\$ -
				\$ -				\$ -
				\$ -				\$ -
				\$ -				\$ -
				\$ -				\$ -
				\$ -				\$ -
			Sub-Total	\$ -	\$ -	\$ -	\$ -	\$ -
Mobilization								
				\$ -				\$ -
				\$ -				\$ -
				\$ -				\$ -

BUDGET TEMPLATE SHEET FOR FUTURE FISHERIES PROGRAM APPLICATIONS

				\$ -				\$ -
			Sub-Total	\$ -	\$ -	\$ -	\$ -	\$ -
TOTALS				\$ 137,950.00	\$ 8,950.00	\$ -	\$ 129,000.00	\$ 137,950.00

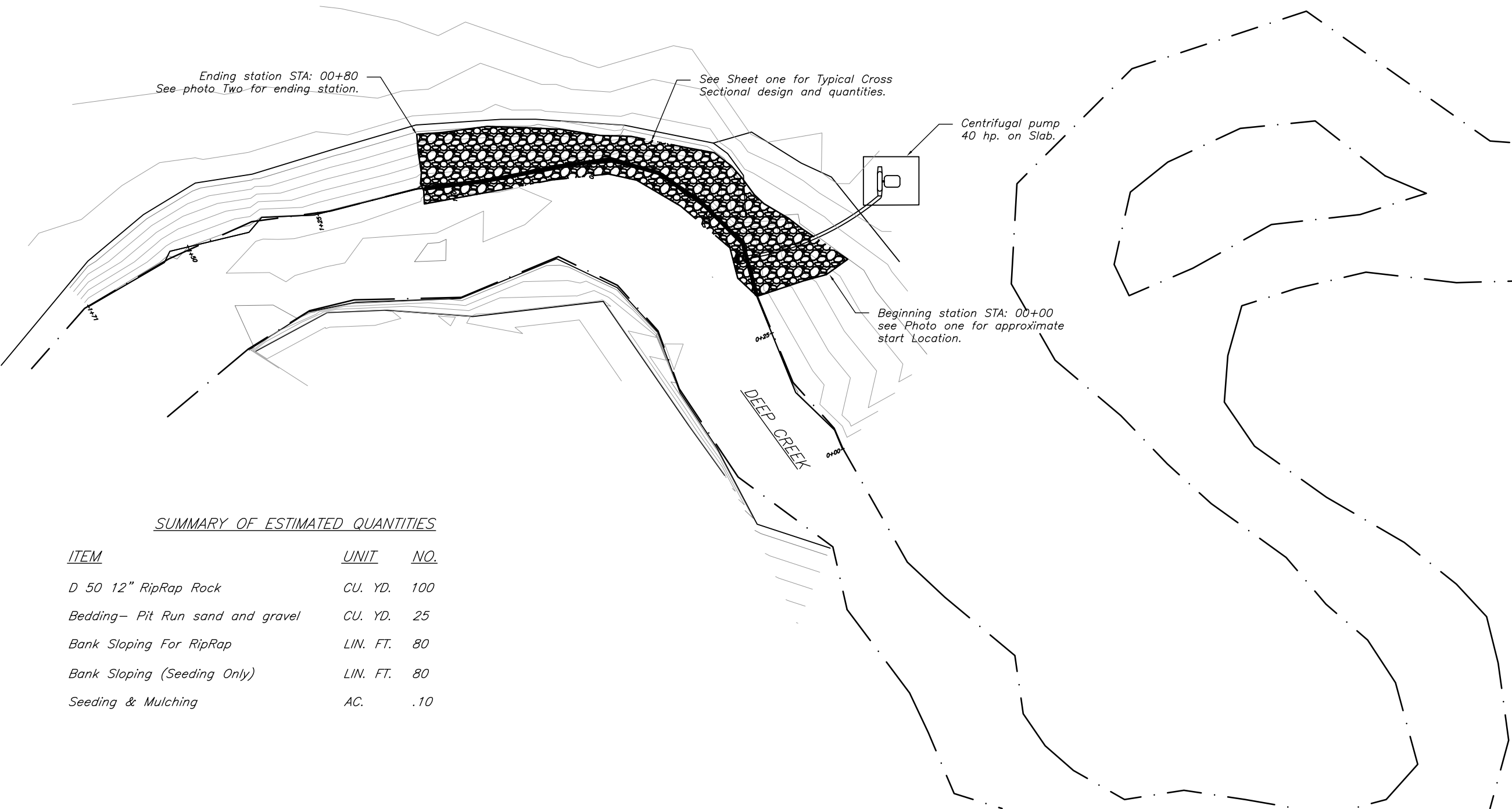
*Units = feet, hours, inches, lump sum, etc.

MATCHING CONTRIBUTIONS

CONTRIBUTOR	IN-KIND SERVICE	IN-KIND CASH	TOTAL	Verified? (Y/N)
NRCS	\$ -	\$ 57,188.00	\$ 57,188.00	YES
Landowner	\$ -	\$ 53,812.00	\$ 53,812.00	YES
319 Grant (pump)	\$ -	\$ 18,000.00	\$ 18,000.00	YES
	\$ -		\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	

McArthur's
Irrigation Pump and Stream Bank
Protection

TOWNSHIP 6N, RANGE 2E, SECTION 2, BROADWATER COUNTY, MONTANA



SUMMARY OF ESTIMATED QUANTITIES

<u>ITEM</u>	<u>UNIT</u>	<u>NO.</u>
D 50 12" RipRap Rock	CU. YD.	100
Bedding- Pit Run sand and gravel	CU. YD.	25
Bank Sloping For RipRap	LIN. FT.	80
Bank Sloping (Seeding Only)	LIN. FT.	80
Seeding & Mulching	AC.	.10

Date	_____
Designed	_____
Drawn	_____
Checked	_____
Approved	_____

Irrigation System Proposal

Frank McArthur EQIP

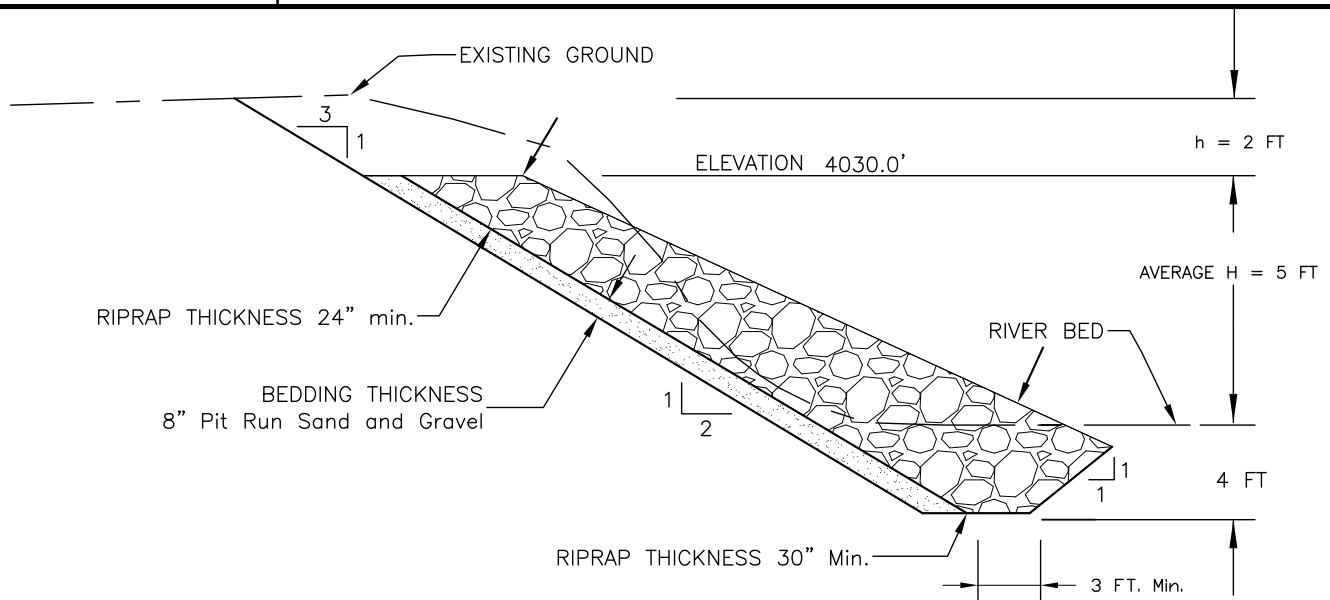
BROADWATER COUNTY

MONTANA



Natural Resources Conservation Service
United States Department of Agriculture

File No. pump, riprap.dwg
Drawing No. _____
5/20/15 2:59 PM
Sheet 1 of 3



TYPICAL CROSS SECTION – NOT TO SCALE

NOTES:

1. DOUBLE THE ROCK THICKNESS FOR A DISTANCE OF 10 FEET AT THE UPSTREAM AND DOWNSTREAM ENDS OF THE RIPRAP. BLEND THE ROCK SURFACE TO MATCH THE EXISTING STABLE BANK SURFACE.
2. RIPRAP SHALL BE INSTALLED WITH BEDDING AND/OR GEOTEXTILE AS NEEDED TO FILTER INSITU SOIL MATERIAL.
3. INSTALL ROCK CUTOFF TRENCH SO TOTAL SECTION THICKNESS IS DOUBLED FOR A LENGTH OF 10 FEET AT UPSTREAM AND DOWNSTREAM ENDS OF RIPRAP.

GRADATION OF RIPRAP

PERCENT PASSING BY WEIGHT	SIZE (INCHES)
100	24"
50	12"
15	4"

GRADATION OF BEDDING

PERCENT PASSING BY WEIGHT	SIZE (INCHES)
100	1 1/2"
60-85	3/4"
25-50	3/8"
5-20	#4
0-5	#8

QUANTITY ESTIMATE*

BANK SLOPING FOR RIPRAP	80	LIN. FT.
BANK SLOPING (SEEDING ONLY)	80	LIN. FT.
ROCK FOR RIPRAP (D50 = 12 ")	100	CU. YD.
BEDDING – Pit Run Sand and Gravel	25	CU. YD.
SEEDING & MULCHING	.10	ACRES

*ESTIMATED TO THE NEAT LINES AND GRADE

RIPRAP BANK PROTECTION
(PARTIAL BANK HEIGHT)

McArthur EQIP.

BROADWATER COUNTY

MONTANA

Designed CW/MRH Date 05/15

Drawn CW/MRH 05/15

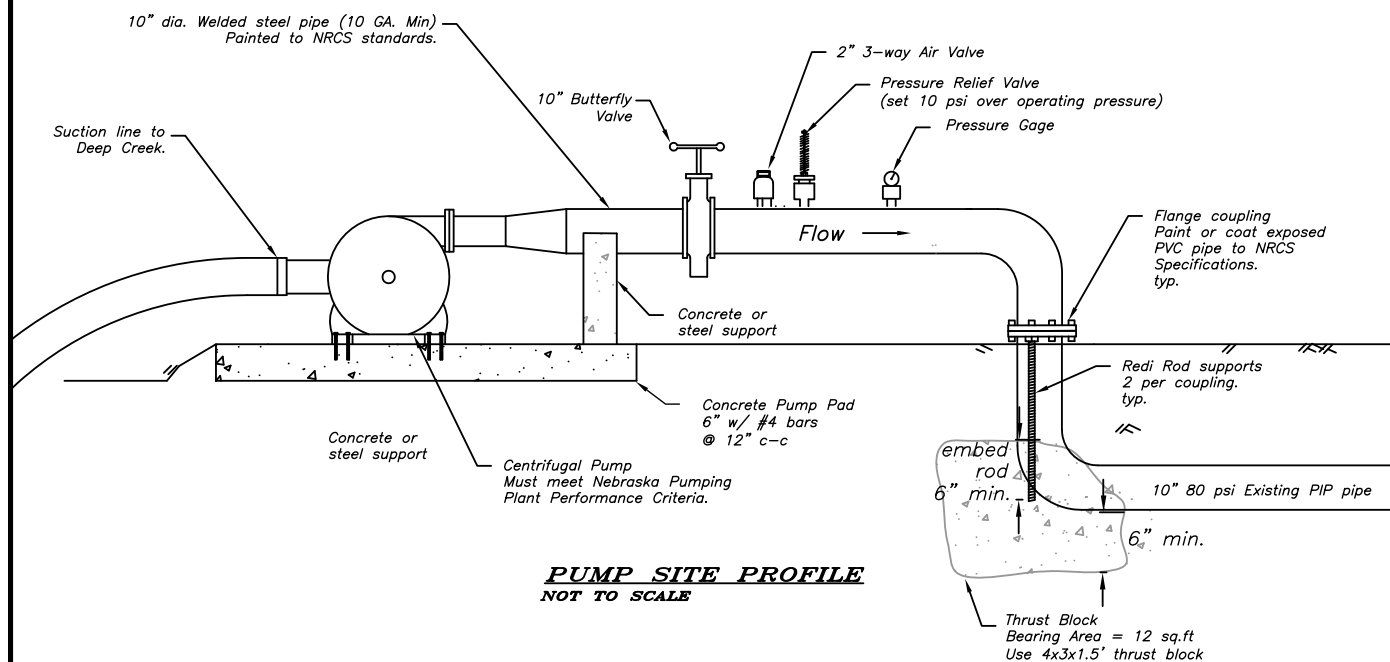
Checked : _____

Approved : _____

File Name
Rock Bank Protection2.dwg

Drawing Name

Sheet 1 of 2



NRCS

Natural Resources Conservation Service
United States Department of Agriculture

PUMP DESIGN

McArthur EQUIP.

BROADWATER COUNTY

MONTANA

Designed	MRH	Date	05/15	File Name	pump, riprap.dwg
Drawn	MRH	Date	05/15	Drawing Name	
Checked	----	Date	----		
Approved	----	Date	----		
					Sheet 3 of 3





Deep Creek streamflow improvement

026-2015

US DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE			CONSERVATION PLAN OR SCHEDULE OF OPERATIONS			NRCS-CPA-1155 02/2014	
PARTICIPANT FRANK W MCARTHUR JR		COUNTY AND STATE BROADWATER County, MT		PROGRAM AND CONTRACT NUMBER EQIP 2014 7403251516C		SUBACCOUNT NWQI - Deep Creek	
LAND UNITS OR LEGAL DESCRIPTION Farm:1513 Tract(s):4408. Farm:1799 Tract(s):5080.				WATERSHED Lower Deep Creek		ACRES 348	EXPIRATION DATE 12/31/2021

Contract Item 1: Herbaceous Weed Control(315)					Practice Lifespan: 5 years					Status: Planned 2015				
Remove or control of herbaceous weeds including invasive, noxious or prohibited plants.														
Fields:														
Tract: 5080 Fields: 4;														
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR									
					2015 \$	2016 \$	2017 \$	2018 \$	2019 \$	2020 \$				
1	Herbaceous Weed Control(315)	34 ac			1,783									
1a	Chemical, Ground Application	34 Ac	\$52.4400/ Ac	PR ¹	1,783									
Notes: ¹ Payment rates define the unit cost rate of compensation to be received by the participant.														

Contract Item 2: Irrigation Pipeline(430)					Practice Lifespan: 20 years					Status: Planned 2015				
Install a pipeline and appurtenances to convey water for storage or application as part of an irrigation system.														
Fields:														
Tract: 5080 Fields: 4;														
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR									
					2015 \$	2016 \$	2017 \$	2018 \$	2019 \$	2020 \$				
2	Irrigation Pipeline(430)	792 ft			4,752									
2a	Polyvinyl Chloride (PVC), Pipe, greater than or equal to 10 inch	4132 Lb	\$1.1500/ Lb	PR¹	4,752									
Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.														

Contract Item 3: Irrigation Pipeline(430)		Practice Lifespan: 20 years	Status: Planned 2015
Install a pipeline and appurtenances to convey water for storage or application as part of an irrigation system.			

Page 1 of 26

US DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE			CONSERVATION PLAN OR SCHEDULE OF OPERATIONS			NRCS-CPA-1155 02/2014	
PARTICIPANT FRANK W MCARTHUR JR		COUNTY AND STATE BROADWATER County, MT		PROGRAM AND CONTRACT NUMBER EQIP 2014 7403251516C		SUBACCOUNT NWQI - Deep Creek	
				WATERSHED Lower Deep Creek		ACRES 348	EXPIRATION DATE 12/31/2021

Fields: Tract: 5080 Fields: 4;											
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR						
					2015 \$	2016 \$	2017 \$	2018 \$	2019 \$	2020 \$	
3	Irrigation Pipeline(430)	792 ft			2,460						
3a	Polyvinyl Chloride (PVC), Pipe, less than or equal to 8 inch	1500 Lb	\$1.6400/ Lb	PR ¹	2,460						
Notes: ¹ Payment rates define the unit cost rate of compensation to be received by the participant.											

Contract Item 4: Irrigation Pipeline(430)					Practice Lifespan: 20 years					Status: Planned 2015				
Install a pipeline and appurtenances to convey water for storage or application as part of an irrigation system.														
Fields:														
Tract: 5080 Fields: 4;														
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR									
					2015 \$	2016 \$	2017 \$	2018 \$	2019 \$	2020 \$				
4	Irrigation Pipeline(430)	523 ft			2,857									
4a	Polyvinyl Chloride (PVC), Pipe, less than or equal to 8 inch	1742 Lb	\$1.6400/ Lb	PR ¹	2,857									
Notes: ¹ Payment rates define the unit cost rate of compensation to be received by the participant.														

Contract Item 5: Irrigation Pipeline(430)		Practice Lifespan: 20 years	Status: Planned 2015
Install a pipeline and appurtenances to convey water for storage or application as part of an irrigation system.			

Page 2 of 26

Deep Creek streamflow improvement

026-2015

US DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE			CONSERVATION PLAN OR SCHEDULE OF OPERATIONS			NRCS-CPA-1155 02/2014	
PARTICIPANT FRANK W MCARTHUR JR		COUNTY AND STATE BROADWATER County, MT		PROGRAM AND CONTRACT NUMBER EQIP 2014 7403251516C		SUBACCOUNT NWQI - Deep Creek	
				WATERSHED Lower Deep Creek		ACRES 348	EXPIRATION DATE 12/31/2021

Fields: Tract: 5080 Fields: 4;														
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR									
					2015	2016	2017	2018	2019	2020				
5	Irrigation Pipeline(430)	1067 ft			\$ 3,313	\$	\$	\$	\$	\$				
5a	Polyvinyl Chloride (PVC), Pipe, less than or equal to 8 inch	2020 Lb	\$1.6400/ Lb	PR ¹	3,313									

Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.

Contract Item 6: Irrigation Pipeline(430)					Practice Lifespan: 20 years					Status: Planned 2015				
Install a pipeline and appurtenances to convey water for storage or application as part of an irrigation system.														
Fields:														
Tract: 5080 Fields: 4;														
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR									
					2015 \$	2016 \$	2017 \$	2018 \$	2019 \$	2020 \$				
6	Irrigation Pipeline(430)	1050 ft			3,261									
6a	Polyvinyl Chloride (PVC), Pipe, less than or equal to 8 inch	1988 Lb	\$1.6400/ Lb	PR¹	3,261									
Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.														
Contract Item 7: Irrigation Pipeline(430)					Practice Lifespan: 20 years					Status: Planned 2015				
Install a pipeline and appurtenances to convey water for storage or application as part of an irrigation system.														

Page 3 of 26

US DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE		CONSERVATION PLAN OR SCHEDULE OF OPERATIONS				NRCS-CPA-1155 02/2014	
PARTICIPANT FRANK W MCARTHUR JR	COUNTY AND STATE BROADWATER County, MT	PROGRAM AND CONTRACT NUMBER EQIP 2014 7403251516C		SUBACCOUNT NWQI - Deep Creek			
		WATERSHED Lower Deep Creek		ACRES 348	EXPIRATION DATE 12/31/2021		

Fields: Tract: 5080 Fields: 4;														
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR									
					2015	2016	2017	2018	2019	2020				
7	Irrigation Pipeline(430)	10.2 ft			\$ 221	\$	\$	\$	\$	\$				
7a	Alfalfa Valve, less than or equal to 8 inch	1 Ea	\$220.3200/ Ea	PR ¹	221									

Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.

Contract Item 8: Irrigation Pipeline(430)					Practice Lifespan: 20 years						Status: Planned 2015			
Install a pipeline and appurtenances to convey water for storage or application as part of an irrigation system.														
Fields:														
Tract: 5080 Fields: 2;														
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR									
					2015 \$	2016 \$	2017 \$	2018 \$	2019 \$	2020 \$				
8	Irrigation Pipeline(430)	352 ft			1,093									
8a	Polyvinyl Chloride (PVC), Pipe, less than or equal to 8 inch	666 Lb	\$1.6400/ Lb	PR¹	1,093									
Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.														
Contract Item 9: Irrigation Pipeline(430)					Practice Lifespan: 20 years						Status: Planned 2015			
Install a pipeline and appurtenances to convey water for storage or application as part of an irrigation system.														

Page 4 of 26

Deep Creek streamflow improvement

026-2015

US DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE		CONSERVATION PLAN OR SCHEDULE OF OPERATIONS		NRCS-CPA-1155 02/2014	
PARTICIPANT FRANK W MCARTHUR JR	COUNTY AND STATE BROADWATER County, MT	PROGRAM AND CONTRACT NUMBER EQIP 2014 7403251516C	SUBACCOUNT NWQI - Deep Creek		
		WATERSHED Lower Deep Creek	ACRES 348	EXPIRATION DATE 12/31/2021	

Fields: Tract: 5080 Fields: 2;													
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR								
					2015	2016	2017	2018	2019	2020			
9	Irrigation Pipeline(430)	563 ft			\$ 1,749	\$	\$	\$	\$	\$			
9a	Polyvinyl Chloride (PVC), Pipe, less than or equal to 8 inch	1066 Lb	\$1.6400/ Lb	PR ¹	1,749								

Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.

Contract Item 10: Irrigation Pipeline(430) **Practice Lifespan:** 20 years **Status:** Planned 2015

Install a pipeline and appurtenances to convey water for storage or application as part of an irrigation system.

Fields: Tract: 5080 Fields: 2;													
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR								
					2015	2016	2017	2018	2019	2020			
10	Irrigation Pipeline(430)	7.8 ft			221	\$	\$	\$	\$	\$			
10a	Alfalfa Valve, less than or equal to 8 inch	1 Ea	\$220.3200/ Ea	PR ¹	221								

Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.

Contract Item 11: Pumping Plant(533) **Practice Lifespan:** 15 years **Status:** Planned 2015

Install a pumping facility to transfer water for a need(s).

Page 5 of 26

US DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE		CONSERVATION PLAN OR SCHEDULE OF OPERATIONS			NRCS-CPA-1155 02/2014	
PARTICIPANT FRANK W MCARTHUR JR	COUNTY AND STATE BROADWATER County, MT	PROGRAM AND CONTRACT NUMBER EQIP 2014 7403251516C		SUBACCOUNT NWQI - Deep Creek		
		WATERSHED Lower Deep Creek		ACRES 348	EXPIRATION DATE 12/31/2021	

Fields: Tract: 5080 Fields: 3;													
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR								
					2015	2016	2017	2018	2019	2020			
11	Pumping Plant(533)	1 no			\$ 5,359	\$	\$	\$	\$	\$			
11a	Electric-Powered Pump, greater than 30 Horse Power	40 HP	\$133.9700/ HP	PR ¹	5,359								

Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.

Contract Item 12: Streambank and Shoreline Protection(580) **Practice Lifespan:** 20 years **Status:** Planned 2015

Use vegetation and/or structures to stabilize and protect banks or streams, lakes, estuaries, or excavated channels against scour and erosion.

Fields: Tract: 5080 Fields: 3;													
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR								
					2015	2016	2017	2018	2019	2020			
12	Streambank and Shoreline Protection(580)	22 ft			7,214	\$	\$	\$	\$	\$			
12a	Structural, Rock Riprap w/Vegetation (bankfull bench construction/bank shaping/riparian-corridor revegetation/rock riprap)	150 CuYd	\$48.0900/ CuYd	PR ¹	7,214								

Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.

Contract Item 13: Structure for Water Control(587) **Practice Lifespan:** 20 years **Status:** Planned 2015

Install a flowmeter to measure water conveyance.

Page 6 of 26

Deep Creek streamflow improvement

026-2015

US DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE			CONSERVATION PLAN OR SCHEDULE OF OPERATIONS			NRCS-CPA-1155 02/2014	
PARTICIPANT FRANK W MCARTHUR JR		COUNTY AND STATE BROADWATER County, MT		PROGRAM AND CONTRACT NUMBER EQIP 2014 7403251516C		SUBACCOUNT NWQI - Deep Creek	
				WATERSHED Lower Deep Creek		ACRES 348	EXPIRATION DATE 12/31/2021

Fields: Tract: 5080 Fields: 2;													
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR								
					2015	2016	2017	2018	2019	2020			
13	Structure for Water Control(587)	1 no			\$ 870	\$	\$	\$	\$	\$			
13a	Flow Meter with Mechanical Index	6 In	\$144.8900/ In	PR ¹	870								

Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.

Contract Item 14: Sprinkler System(442)					Practice Lifespan: 15 years						Status: Planned 2015			
Install a sprinkler irrigation system to efficiently apply irrigation water without waste or erosion.														
Fields:														
Tract: 5080 Fields: 2;														
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR									
					2015 \$	2016 \$	2017 \$	2018 \$	2019 \$	2020 \$				
14	Sprinkler System(442)	20 ac			12,800 ²									
14a	Center Pivot System	680 LnFt	\$38.1400/ LnFt	PR¹	25,936									
Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.														
² Payment is limited to the maximum amount allowed for the practice.														

Contract Item 15: Herbaceous Weed Control(315)										Practice Lifespan: 5 years										Status: Planned 2016									
Remove or control of herbaceous weeds including invasive, noxious or prohibited plants.																													

Page 7 of 26

US DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE			CONSERVATION PLAN OR SCHEDULE OF OPERATIONS			NRCS-CPA-1155 02/2014	
PARTICIPANT FRANK W MCARTHUR JR		COUNTY AND STATE BROADWATER County, MT		PROGRAM AND CONTRACT NUMBER EQIP 2014 7403251516C		SUBACCOUNT NWQI - Deep Creek	
				WATERSHED Lower Deep Creek		ACRES 348	EXPIRATION DATE 12/31/2021

Fields: Tract: 5080 Fields: 3;													
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR								
					2015	2016	2017	2018	2019	2020			
15	Herbaceous Weed Control(315)	33 ac			\$	1,731	\$	\$	\$	\$			
15a	Chemical, Ground Application	33 Ac	\$52.4400/ Ac	PR ¹		1,731							

Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.

Contract Item 16: Fence(382)					Practice Lifespan: 20 years						Status: Planned 2016			
Construct a fence for use as a barrier to wildlife, livestock, or people.														
Fields:														
Tract: 5080 Fields: 4;														
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR									
					2015 \$	2016 \$	2017 \$	2018 \$	2019 \$	2020 \$				
16	Fence(382)	1000 ft				1,820								
16a	Wire Difficult	1000 Ft	\$1.8200/ Ft	PR¹		1,820								
Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.														
Contract Item 17: Obstruction Removal(500)					Practice Lifespan: 10 years						Status: Planned 2016			
Safely remove and dispose of unwanted obstructions and other material to facilitate application of conservation practices or planned land use.														

Page 8 of 26

Deep Creek streamflow improvement

026-2015

US DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE			CONSERVATION PLAN OR SCHEDULE OF OPERATIONS			NRCS-CPA-1155 02/2014	
PARTICIPANT FRANK W MCARTHUR JR		COUNTY AND STATE BROADWATER County, MT		PROGRAM AND CONTRACT NUMBER EQIP 2014 7403251516C		SUBACCOUNT NWQI - Deep Creek	
				WATERSHED Lower Deep Creek		ACRES 348	EXPIRATION DATE 12/31/2021

Fields: Tract: 5080 Fields: 4;													
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR								
					2015 \$	2016 \$	2017 \$	2018 \$	2019 \$	2020 \$			
17	Obstruction Removal(500)	0.3 ac				260							
17a	Removal and Disposal of Fence	1000 LnFt	\$0.2600/ LnFt	PR ¹		260							

Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.

Contract Item 18: Livestock Pipeline(516)					Practice Lifespan: 20 years					Status: Planned 2016				
Install a pipeline to convey water from supply source to points of use.														
Fields:														
Tract: 5080 Fields: 4;														
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR									
					2015 \$	2016 \$	2017 \$	2018 \$	2019 \$	2020 \$				
18	Livestock Pipeline(516)	728 ft				1,638								
18a	Below Frost Line, High Density Polyethylene (HDPE), Iron Pipe Size (IPS) and Tubing	728 Ft	\$2.2500/ Ft	PR ¹		1,638								
Notes: ¹ Payment rates define the unit cost rate of compensation to be received by the participant.														
Contract Item 19: Livestock Pipeline(516)					Practice Lifespan: 20 years					Status: Planned 2016				
Install a pipeline to convey water from supply source to points of use.														

Page 9 of 26

US DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE			CONSERVATION PLAN OR SCHEDULE OF OPERATIONS			NRCS-CPA-1155 02/2014	
PARTICIPANT FRANK W MCARTHUR JR		COUNTY AND STATE BROADWATER County, MT		PROGRAM AND CONTRACT NUMBER EQIP 2014 7403251516C		SUBACCOUNT NWQI - Deep Creek	
				WATERSHED Lower Deep Creek		ACRES 348	EXPIRATION DATE 12/31/2021

Fields: Tract: 5080 Fields: 4;													
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR								
					2015 \$	2016 \$	2017 \$	2018 \$	2019 \$	2020 \$			
19	Livestock Pipeline(516)	2012 ft				4,527							
19a	Below Frost Line, High Density Polyethylene (HDPE), Iron Pipe Size (IPS) and Tubing	2012 Ft	\$2.2500/ Ft	PR ¹		4,527							

Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.

Contract Item 20: Livestock Pipeline(516)					Practice Lifespan: 20 years					Status: Planned 2016				
Install a pipeline to convey water from supply source to points of use.														
Fields:														
Tract: 5080 Fields: 4;														
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR									
					2015 \$	2016 \$	2017 \$	2018 \$	2019 \$	2020 \$				
20	Livestock Pipeline(516)	774 ft				1,742								
20a	Below Frost Line, High Density Polyethylene (HDPE), Iron Pipe Size (IPS) and Tubing	774 Ft	\$2.2500/ Ft	PR¹		1,742								
Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.														
Contract Item 21: Water Well(642)					Practice Lifespan: 20 years					Status: Planned 2016				
Install a well.														

Page 10 of 26

Deep Creek streamflow improvement

026-2015

US DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE			CONSERVATION PLAN OR SCHEDULE OF OPERATIONS			NRCS-CPA-1155 02/2014	
PARTICIPANT FRANK W MCARTHUR JR		COUNTY AND STATE BROADWATER County, MT		PROGRAM AND CONTRACT NUMBER EQIP 2014 7403251516C		SUBACCOUNT NWQI - Deep Creek	
				WATERSHED Lower Deep Creek		ACRES 348	EXPIRATION DATE 12/31/2021

Fields: Tract: 5080 Fields: 4;													
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR								
					2015 \$	2016 \$	2017 \$	2018 \$	2019 \$	2020 \$			
21	Water Well(642)	1 no				3,982							
21a	Shallow Well, 100-foot depth or less	100 LnFt	\$39.8200/ LnFt	PR ¹		3,982							
Notes: ¹ Payment rates define the unit cost rate of compensation to be received by the participant.													

Contract Item 22: Pumping Plant(533)					Practice Lifespan: 15 years							Status: Planned 2016				
Install a pumping facility to transfer water for a need(s).																
Fields: Tract: 5080 Fields: 4;																
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR											
					2015 \$	2016 \$	2017 \$	2018 \$	2019 \$	2020 \$						
22	Pumping Plant(533)	1 no				1,586										
22a	Electric-Powered Pump, less than or equal to 3 Horese Power with Pressure Tank	1 HP	\$1,585.9600 / HP	PR¹		1,586										
Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.																
Contract Item 23: Watering Facility(614)					Practice Lifespan: 20 years							Status: Planned 2016				
Install a water drinking facility for livestock and/or wildlife.																

Page 11 of 26

US DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE			CONSERVATION PLAN OR SCHEDULE OF OPERATIONS			NRCS-CPA-1155 02/2014	
PARTICIPANT FRANK W MCARTHUR JR		COUNTY AND STATE BROADWATER County, MT		PROGRAM AND CONTRACT NUMBER EQIP 2014 7403251516C		SUBACCOUNT NWQI - Deep Creek	
				WATERSHED Lower Deep Creek		ACRES 348	EXPIRATION DATE 12/31/2021

Fields: Tract: 5080 Fields: 4;													
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR								
					2015 \$	2016 \$	2017 \$	2018 \$	2019 \$	2020 \$			
23	Watering Facility(614)	1 no				3,630							
23a	Winter, with Storage	1100 Gal	\$3.3000/ Gal	PR ¹		3,630							
Notes: ¹ Payment rates define the unit cost rate of compensation to be received by the participant.													

Contract Item 24: Watering Facility(614)					Practice Lifespan: 20 years							Status: Planned 2016			
Install a water drinking facility for livestock and/or wildlife.															
Fields:															
Tract: 5080 Fields: 4;															
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR										
					2015 \$	2016 \$	2017 \$	2018 \$	2019 \$	2020 \$					
24	Watering Facility(614)	1 no				1,568									
24a	Permanent Drinking with Storage, 500 to 1,000 Gallons	750 Gal	\$2.0900/ Gal	PR¹		1,568									
Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.															
Contract Item 25: Watering Facility(614)					Practice Lifespan: 20 years							Status: Planned 2016			
Install a water drinking facility for livestock and/or wildlife.															

Page 12 of 26

Deep Creek streamflow improvement

026-2015

US DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE		CONSERVATION PLAN OR SCHEDULE OF OPERATIONS			NRCS-CPA-1155 02/2014		
PARTICIPANT FRANK W MCARTHUR JR		COUNTY AND STATE BROADWATER County, MT		PROGRAM AND CONTRACT NUMBER EQIP 2014 7403251516C		SUBACCOUNT NWQI - Deep Creek	
				WATERSHED Lower Deep Creek		ACRES 348	EXPIRATION DATE 12/31/2021

Fields: Tract: 5080 Fields: 4;													
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR								
					2015 \$	2016 \$	2017 \$	2018 \$	2019 \$	2020 \$			
25	Watering Facility(614)	1 no				1,568							
25a	Permanent Drinking with Storage, 500 to 1,000 Gallons	750 Gal	\$2.0900/ Gal	PR ¹		1,568							

Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.

Contract Item 26: Watering Facility(614) **Practice Lifespan:** 20 years **Status:** Planned 2016

Install a water drinking facility for livestock and/or wildlife.

Fields: Tract: 5080 Fields: 4;													
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR								
					2015 \$	2016 \$	2017 \$	2018 \$	2019 \$	2020 \$			
26	Watering Facility(614)	1 no				1,568							
26a	Permanent Drinking with Storage, 500 to 1,000 Gallons	750 Gal	\$2.0900/ Gal	PR ¹		1,568							

Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.

Contract Item 27: Herbaceous Weed Control(315) **Practice Lifespan:** 5 years **Status:** Planned 2017

Remove or control of herbaceous weeds including invasive, noxious or prohibited plants.

Page 13 of 26

US DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE			CONSERVATION PLAN OR SCHEDULE OF OPERATIONS			NRCS-CPA-1155 02/2014	
PARTICIPANT FRANK W MCARTHUR JR		COUNTY AND STATE BROADWATER County, MT		PROGRAM AND CONTRACT NUMBER EQIP 2014 7403251516C		SUBACCOUNT NWQI - Deep Creek	
				WATERSHED Lower Deep Creek		ACRES 348	EXPIRATION DATE 12/31/2021

Fields: Tract: 5080 Fields: 4;													
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR								
					2015 \$	2016 \$	2017 \$	2018 \$	2019 \$	2020 \$			
27	Herbaceous Weed Control(315)	33 ac					1,731						
27a	Chemical, Ground Application	33 Ac	\$52.4400/ Ac	PR ¹			1,731						

Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.

Contract Item 28: Livestock Pipeline(516) **Practice Lifespan:** 20 years **Status:** Planned 2017

Install a pipeline to convey water from supply source to points of use.

Fields: Tract: 5080 Fields: 2;													
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR								
					2015 \$	2016 \$	2017 \$	2018 \$	2019 \$	2020 \$			
28	Livestock Pipeline(516)	290 ft					653						
28a	Below Frost Line, High Density Polyethylene (HDPE), Iron Pipe Size (IPS) and Tubing	290 Ft	\$2.2500/ Ft	PR ¹			653						

Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.

Contract Item 29: Livestock Pipeline(516) **Practice Lifespan:** 20 years **Status:** Planned 2017

Install a pipeline to convey water from supply source to points of use.

Page 14 of 26

Deep Creek streamflow improvement

026-2015

US DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE			CONSERVATION PLAN OR SCHEDULE OF OPERATIONS			NRCS-CPA-1155 02/2014	
PARTICIPANT FRANK W MCARTHUR JR		COUNTY AND STATE BROADWATER County, MT		PROGRAM AND CONTRACT NUMBER EQIP 2014 7403251516C		SUBACCOUNT NWQI - Deep Creek	
				WATERSHED Lower Deep Creek		ACRES 348	EXPIRATION DATE 12/31/2021

Fields: Tract: 5080 Fields: 3;													
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR								
					2015	2016	2017	2018	2019	2020			
29	Livestock Pipeline(516)	171 ft			\$	\$	\$	\$	\$	\$			
29a	Below Frost Line, High Density Polyethylene (HDPE), Iron Pipe Size (IPS) and Tubing	171 Ft	\$2.2500/ Ft	PR ¹			385						

Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.

Contract Item 30: Livestock Pipeline(516)		Practice Lifespan: 20 years	Status: Planned 2017
Install a pipeline to convey water from supply source to points of use.			

Fields: Tract: 5080 Fields: 3;													
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR								
					2015	2016	2017	2018	2019	2020			
30	Livestock Pipeline(516)	1742 ft			\$	\$	\$	\$	\$	\$			
30a	High Density Polyethylene (HDPE), Iron Pipe Size (IPS) and Tubing	1742 LnFt	\$1.5700/ LnFt	PR ¹			2,735						

Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.

Contract Item 31: Watering Facility(614)										Practice Lifespan: 20 years										Status: Planned 2017									
Install a water drinking facility for livestock and/or wildlife.																													

Page 15 of 26

US DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE			CONSERVATION PLAN OR SCHEDULE OF OPERATIONS			NRCS-CPA-1155 02/2014	
PARTICIPANT FRANK W MCARTHUR JR		COUNTY AND STATE BROADWATER County, MT		PROGRAM AND CONTRACT NUMBER EQIP 2014 7403251516C		SUBACCOUNT NWQI - Deep Creek	
				WATERSHED Lower Deep Creek		ACRES 348	EXPIRATION DATE 12/31/2021

Fields: Tract: 5080 Fields: 2;													
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR								
					2015	2016	2017	2018	2019	2020			
31	Watering Facility(614)	1 no			\$	\$	\$	\$	\$	\$			
31a	Permanent Drinking with Storage, 500 to 1,000 Gallons	750 Gal	\$2.0900/ Gal	PR ¹			1,568						

Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.

Contract Item 32: Watering Facility(614)										Practice Lifespan: 20 years										Status: Planned 2017									
Install a water drinking facility for livestock and/or wildlife.																													

Fields: Tract: 5080 Fields: 3;													
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR								
					2015	2016	2017	2018	2019	2020			
32	Watering Facility(614)	1 no			\$	\$	\$	\$	\$	\$			
32a	Permanent Drinking with Storage, 500 to 1,000 Gallons	750 Gal	\$2.0900/ Gal	PR ¹			1,568						

Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.

Contract Item 33: Watering Facility(614)										Practice Lifespan: 20 years										Status: Planned 2017									
Install a water drinking facility for livestock and/or wildlife.																													

Page 16 of 26

Deep Creek streamflow improvement

026-2015

US DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE			CONSERVATION PLAN OR SCHEDULE OF OPERATIONS			NRCS-CPA-1155 02/2014	
PARTICIPANT FRANK W MCARTHUR JR		COUNTY AND STATE BROADWATER County, MT		PROGRAM AND CONTRACT NUMBER EQIP 2014 7403251516C		SUBACCOUNT NWQI - Deep Creek	
				WATERSHED Lower Deep Creek		ACRES 348	EXPIRATION DATE 12/31/2021

Fields: Tract: 4408 Fields: 1;													
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR								
					2015 \$	2016 \$	2017 \$	2018 \$	2019 \$	2020 \$			
33	Watering Facility(614)	1 no					1,568						
33a	Permanent Drinking with Storage, 500 to 1,000 Gallons	750 Gal	\$2.0900/ Gal	PR¹			1,568						
Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.													

Contract Item 34: Water Well(642)					Practice Lifespan: 20 years					Status: Planned 2017				
Install a well.														
Fields: Tract: 5080 Fields: 3;														
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR									
					2015 \$	2016 \$	2017 \$	2018 \$	2019 \$	2020 \$				
34	Water Well(642)	1 no					3,982							
34a	Shallow Well, 100-foot depth or less	100 LnFt	\$39.8200/ LnFt	PR¹			3,982							
Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.														
Contract Item 35: Pumping Plant(533)					Practice Lifespan: 15 years					Status: Planned 2017				
Install a pumping facility to transfer water for a need(s).														

Page 17 of 26

US DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE			CONSERVATION PLAN OR SCHEDULE OF OPERATIONS			NRCS-CPA-1155 02/2014	
PARTICIPANT FRANK W MCARTHUR JR		COUNTY AND STATE BROADWATER County, MT		PROGRAM AND CONTRACT NUMBER EQIP 2014 7403251516C		SUBACCOUNT NWQI - Deep Creek	
				WATERSHED Lower Deep Creek		ACRES 348	EXPIRATION DATE 12/31/2021

Fields: Tract: 5080 Fields: 3;													
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR								
					2015 \$	2016 \$	2017 \$	2018 \$	2019 \$	2020 \$			
35	Pumping Plant(533)	1 no					1,586						
35a	Electric-Powered Pump, less than or equal to 3 Horese Power with Pressure Tank	1 HP	\$1,585.9600 / HP	PR¹			1,586						
Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.													

Contract Item 36: Fence(382)					Practice Lifespan: 20 years						Status: Planned 2018			
Construct a fence for use as a barrier to wildlife, livestock, or people.														
Fields:														
Tract: 5080 Fields: 4;														
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR									
					2015 \$	2016 \$	2017 \$	2018 \$	2019 \$	2020 \$				
36	Fence(382)	1199 ft						2,183						
36a	Wire Difficult	1199 Ft	\$1.8200/ Ft	PR¹				2,183						
Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.														
Contract Item 37: Fence(382)					Practice Lifespan: 20 years						Status: Planned 2018			
Construct a fence for use as a barrier to wildlife, livestock, or people.														

Page 18 of 26

Deep Creek streamflow improvement

026-2015

US DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE			CONSERVATION PLAN OR SCHEDULE OF OPERATIONS			NRCS-CPA-1155 02/2014	
PARTICIPANT FRANK W MCARTHUR JR		COUNTY AND STATE BROADWATER County, MT		PROGRAM AND CONTRACT NUMBER EQIP 2014 7403251516C		SUBACCOUNT NWQI - Deep Creek	
				WATERSHED Lower Deep Creek		ACRES 348	EXPIRATION DATE 12/31/2021

Fields: Tract: 5080 Fields: 4;													
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR								
					2015	2016	2017	2018	2019	2020			
37	Fence(382)	1297 ft			\$	\$	\$	\$	\$	\$			
37a	Barbed/Smooth Wire	1297 Ft	\$1.6300/ Ft	PR ¹				2,115					
Notes: ¹ Payment rates define the unit cost rate of compensation to be received by the participant.													

Contract Item 38: Fence(382)				Practice Lifespan: 20 years				Status: Planned 2018					
-------------------------------------	--	--	--	------------------------------------	--	--	--	-----------------------------	--	--	--	--	--

Construct a fence for use as a barrier to wildlife, livestock, or people.

Fields: Tract: 5080 Fields: 4;													
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR								
					2015	2016	2017	2018	2019	2020			
38	Fence(382)	1968 ft			\$	\$	\$	3,208					
38a	Barbed/Smooth Wire	1968 Ft	\$1.6300/ Ft	PR ¹				3,208					
Notes: ¹ Payment rates define the unit cost rate of compensation to be received by the participant.													

Contract Item 39: Fence(382)				Practice Lifespan: 20 years				Status: Planned 2018					
-------------------------------------	--	--	--	------------------------------------	--	--	--	-----------------------------	--	--	--	--	--

Construct a fence for use as a barrier to wildlife, livestock, or people.

Page 19 of 26

US DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE			CONSERVATION PLAN OR SCHEDULE OF OPERATIONS			NRCS-CPA-1155 02/2014	
PARTICIPANT FRANK W MCARTHUR JR		COUNTY AND STATE BROADWATER County, MT		PROGRAM AND CONTRACT NUMBER EQIP 2014 7403251516C		SUBACCOUNT NWQI - Deep Creek	
				WATERSHED Lower Deep Creek		ACRES 348	EXPIRATION DATE 12/31/2021

Fields: Tract: 5080 Fields: 4;													
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR								
					2015	2016	2017	2018	2019	2020			
39	Fence(382)	623 ft			\$	\$	\$	1,016					
39a	Barbed/Smooth Wire	623 Ft	\$1.6300/ Ft	PR ¹				1,016					
Notes: ¹ Payment rates define the unit cost rate of compensation to be received by the participant.													

Contract Item 40: Fence(382)				Practice Lifespan: 20 years				Status: Planned 2018					
-------------------------------------	--	--	--	------------------------------------	--	--	--	-----------------------------	--	--	--	--	--

Construct a fence for use as a barrier to wildlife, livestock, or people.

Fields: Tract: 5080 Fields: 4;													
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR								
					2015	2016	2017	2018	2019	2020			
40	Fence(382)	922 ft			\$	\$	\$	1,503					
40a	Barbed/Smooth Wire	922 Ft	\$1.6300/ Ft	PR ¹				1,503					
Notes: ¹ Payment rates define the unit cost rate of compensation to be received by the participant.													

Contract Item 41: Fence(382)				Practice Lifespan: 20 years				Status: Planned 2018					
-------------------------------------	--	--	--	------------------------------------	--	--	--	-----------------------------	--	--	--	--	--

Construct a fence for use as a barrier to wildlife, livestock, or people.

Page 20 of 26

US DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE		CONSERVATION PLAN OR SCHEDULE OF OPERATIONS			NRCS-CPA-1155 02/2014	
PARTICIPANT FRANK W MCARTHUR JR		COUNTY AND STATE BROADWATER County, MT	PROGRAM AND CONTRACT NUMBER EQIP 2014 7403251516C		SUBACCOUNT NWQI - Deep Creek	
			WATERSHED Lower Deep Creek	ACRES 348	EXPIRATION DATE 12/31/2021	

Fields: Tract: 5080 Fields: 4;													
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR								
					2015	2016	2017	2018	2019	2020			
41	Fence(382)	2208 ft			\$	\$	\$	\$	\$	\$			
41a	Barbed/Smooth Wire	2208 Ft	\$1.6300/ Ft	PR ¹				3,600					
Notes: ¹ Payment rates define the unit cost rate of compensation to be received by the participant.													

Contract Item 42: Fence(382)					Practice Lifespan: 20 years						Status: Planned 2018			
Construct a fence for use as a barrier to wildlife, livestock, or people.														
Fields: Tract: 5080 Fields: 4;														
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR									
					2015 \$	2016 \$	2017 \$	2018 \$	2019 \$	2020 \$				
42	Fence(382)	781 ft						1,274						
42a	Barbed/Smooth Wire	781 Ft	\$1.6300/ Ft	PR¹				1,274						
Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.														
Contract Item 43: Obstruction Removal(500)					Practice Lifespan: 10 years						Status: Planned 2018			
Safely remove and dispose of unwanted obstructions and other material to facilitate application of conservation practices or planned land use.														

Page 21 of 26

US DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE		CONSERVATION PLAN OR SCHEDULE OF OPERATIONS			NRCS-CPA-1155 02/2014	
PARTICIPANT FRANK W MCARTHUR JR	COUNTY AND STATE BROADWATER County, MT	PROGRAM AND CONTRACT NUMBER EQIP 2014 7403251516C		SUBACCOUNT NWQI - Deep Creek		
		WATERSHED Lower Deep Creek		ACRES 348	EXPIRATION DATE 12/31/2021	

Fields: Tract: 5080 Fields: 4;													
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR								
					2015	2016	2017	2018	2019	2020			
43	Obstruction Removal(500)	0.1 ac			\$	\$	\$	438					
43a	Removal and Disposal of Fence	1683 LnFt	\$0.2600/ LnFt	PR ¹				438					
Notes: ¹ Payment rates define the unit cost rate of compensation to be received by the participant.													

Contract Item 44: Obstruction Removal(500)					Practice Lifespan: 10 years					Status: Planned 2018				
Safely remove and dispose of unwanted obstructions and other material to facilitate application of conservation practices or planned land use.														
Fields: Tract: 5080 Fields: 4;														
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR									
					2015	2016	2017	2018	2019	2020				
44	Obstruction Removal(500)	0.3 ac			\$	\$	\$	\$	\$	\$				
44a	Removal and Disposal of Fence	567 LnFt	\$0.2600/ LnFt	PR ¹				148						
Notes: ¹ Payment rates define the unit cost rate of compensation to be received by the participant.														
Contract Item 45: Livestock Shelter Structure(576)					Practice Lifespan: 10 years					Status: Planned 2019				
Install a permanent structure with less than four walls and/or a roof to provide for improved utilization of pastureland and rangeland and to shelter livestock from negative environmental factors.														

Page 22 of 26

Deep Creek streamflow improvement

026-2015

US DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE			CONSERVATION PLAN OR SCHEDULE OF OPERATIONS			NRCS-CPA-1155 02/2014	
PARTICIPANT FRANK W MCARTHUR JR		COUNTY AND STATE BROADWATER County, MT		PROGRAM AND CONTRACT NUMBER EQIP 2014 7403251516C		SUBACCOUNT NWQI - Deep Creek	
				WATERSHED Lower Deep Creek		ACRES 348	EXPIRATION DATE 12/31/2021

Fields: Tract: 5080 Fields: 2;													
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR								
					2015 \$	2016 \$	2017 \$	2018 \$	2019 \$	2020 \$			
45	Livestock Shelter Structure(576)	1 no							1,599				
45a	Permanent Fabricated Wind Shelter.	58 LnFt	\$27.5600/ LnFt	PR ¹					1,599				
Notes: ¹ Payment rates define the unit cost rate of compensation to be received by the participant.													

Contract Item 46: Fence(382)					Practice Lifespan: 20 years					Status: Planned 2019				
Construct a fence for use as a barrier to wildlife, livestock, or people.														
Fields:														
Tract: 5080 Fields: 2;														
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR									
					2015 \$	2016 \$	2017 \$	2018 \$	2019 \$	2020 \$				
46	Fence(382)	846 ft								1,379				
46a	Barbed/Smooth Wire	846 Ft	\$1.6300/ Ft	PR ¹						1,379				
Notes: ¹ Payment rates define the unit cost rate of compensation to be received by the participant.														
Contract Item 47: Fence(382)					Practice Lifespan: 20 years					Status: Certified 2019				
Construct a fence for use as a barrier to wildlife, livestock, or people.														

Page 23 of 26

US DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE		CONSERVATION PLAN OR SCHEDULE OF OPERATIONS				NRCS-CPA-1155 02/2014	
PARTICIPANT FRANK W MCARTHUR JR	COUNTY AND STATE BROADWATER County, MT	PROGRAM AND CONTRACT NUMBER EQIP 2014 7403251516C		SUBACCOUNT NWQI - Deep Creek			
		WATERSHED Lower Deep Creek		ACRES 348	EXPIRATION DATE 12/31/2021		

Fields: Tract: 5080 Fields: 3;													
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR								
					2015 \$	2016 \$	2017 \$	2018 \$	2019 \$	2020 \$			
47	Fence(382)	722 ft							1,177				
47a	Barbed/Smooth Wire	1008 Ft	\$1.6300/ Ft	PR ¹					1,177				
Notes: ¹ Payment rates define the unit cost rate of compensation to be received by the participant.													

Contract Item 48: Sprinkler System(442)					Practice Lifespan: 15 years					Status: Planned 2020				
Install a sprinkler irrigation system to efficiently apply irrigation water without waste or erosion.														
Fields: Tract: 5080 Fields: 4;														
Contract Item	Planned Conservation Treatment	Planned Amount	Unit Cost	Cost Share Rate/Method	COMPLETION SCHEDULE AND ESTIMATED COST-SHARE OR PAYMENT BY YEAR									
					2015 \$	2016 \$	2017 \$	2018 \$	2019 \$	2020 \$				
48	Sprinkler System(442)	1 ac									6,179			
48a	Wheel Line System	748 LnFt	\$8.2600/ LnFt	PR¹							6,179			
Notes: ¹Payment rates define the unit cost rate of compensation to be received by the participant.														

Page 24 of 26

US DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE		CONSERVATION PLAN OR SCHEDULE OF OPERATIONS		NRCS-CPA-1155 02/2014	
PARTICIPANT FRANK W MCARTHUR JR		COUNTY AND STATE BROADWATER County, MT		PROGRAM AND CONTRACT NUMBER EQIP 2014 7403251516C	
SUBACCOUNT NWQI - Deep Creek		LAND UNITS OR LEGAL DESCRIPTION Farm:1513 Tract(s):4408. Farm:1799 Tract(s):5080.		WATERSHED Lower Deep Creek	
ACRES 348		EXPIRATION DATE 12/31/2021			

Total Cost-Share or Payment by Year								Total Contract Payment
Year	2015	2016	2017	2018	2019	2020		
Amount(\$)	\$47,953	\$25,620	\$15,776	\$15,485	\$4,155	\$6,179		\$115,168

NOTES: A. All items numbers on form NRCS-CPA-1155 must be carried out as part of this contract to prevent violation.
 B. When established, the conservation practices identified by the numbered items must be maintained by the participant at no cost to the government.
 C. All cost share rates are based on average cost (AC) with the following exceptions:
 AA = Actual cost not to exceed average cost; FR = Flat Rate; NC = Non cost-shared; AM = Actual cost not to exceed a specified maximum; PR = Payment rates.
 D. By signing, the participant acknowledges receipt of this conservation plan including this form NRCS-CPA-1155 and agrees to comply with the terms and conditions here of.

Certification of Participants					
Signature	Date	Signature	Date	Signature	Date
FRANK W MCARTHUR JR					

Signatures of Reviewing Officials	
Designated Conservationist - Technical Adequacy Certification Signature: JUSTIN MEISSNER Date: 4/22/2015	NRCS Approving Official Signature: KERI BILBO USDA electronic signature; manual signature not required. Date: 4/29/2015

Page 25 of 26

US DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE		CONSERVATION PLAN OR SCHEDULE OF OPERATIONS		NRCS-CPA-1155 02/2014	
PARTICIPANT FRANK W MCARTHUR JR		COUNTY AND STATE BROADWATER County, MT		PROGRAM AND CONTRACT NUMBER EQIP 2014 7403251516C	
SUBACCOUNT NWQI - Deep Creek		LAND UNITS OR LEGAL DESCRIPTION Farm:1513 Tract(s):4408. Farm:1799 Tract(s):5080.		WATERSHED Lower Deep Creek	
ACRES 348		EXPIRATION DATE 12/31/2021			

PRIVACY ACT
<p>The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C 522a). Furnishing this information is voluntary; however failure to furnish correct, complete information will result in the withholding or withdrawal of such technical or financial assistance. The information may be furnished to other USDA agencies, the Internal Revenue Service, the Department of Justice, or other state or federal law enforcement agencies, or in response to orders of a court, magistrate, or administrative tribunal.</p> <p>This information collection is exempted from the Paperwork Reduction Act under 16 U.S.C. 3801 note and 16 U.S.C. 3846.</p>
NONDISCRIMINATION STATEMENT
<p>The U.S. Department of Agriculture (USDA) prohibits discrimination against its customers. If you believe you experienced discrimination when obtaining services from USDA, participating in a USDA program, or participating in a program that receives financial assistance from USDA, you may file a complaint with USDA. Information about how to file a discrimination complaint is available from the Office of the Assistant Secretary for Civil Rights.</p> <p>USDA prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex (including gender identity and expression), marital status, familial status, parental status, religion, sexual orientation, political beliefs, genetic information, reprisal, or because all or part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.)</p> <p>To file a complaint of discrimination, complete, sign and mail a program discrimination complaint form, available at any USDA office location or online at www.ascr.usda.gov, or write to:</p> <p>USDA Office of the Assistant Secretary for Civil Rights 1400 Independence Avenue, S.W. Washington, DC 20250-9410</p> <p>Or call toll free at (866) 632-9992 (voice) to obtain additional information, the appropriate office or to request documents. Individuals who are deaf, hard of hearing or have speech disabilities may contact USDA through the Federal Relay service at (800) 877-8339 or (800) 845-6136 (in Spanish). USDA is an equal opportunity provider, employer and lender.</p> <p>Persons with disabilities who require alternative means for communication of program information (e.g., Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).</p>

Page 26 of 26